

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	20	("802.11a" or (short adj preamble)) and ((correlat\$3 or autocorrelat\$3) with (median or average) with threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:09
L8	2	"09996197"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:18
L9	2	"6930989".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 16:59
L10	2	"5991289".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 17:00
L11	2	"20040092281".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 17:22
L12	2	"6,317,452".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 17:23
L13	2	"6,282,228".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 17:23

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L14	3953	375/340	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:08
L15	527	375/342	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:08
L16	35	("802.11a" or (short adj preamble)) and ((correlat\$3 or autocorrelat\$3) same (median or average) same threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:09
L17	437	("802.11a" or (short adj preamble)) and ((correlat\$3 or autocorrelat\$3) and (median or average) and threshold)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:11
L18	23	17 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:10
L19	3	17 and 15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:10
L20	0	16 and 15	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:10

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L21	0	16 and 14	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:10
L22	26	("802.11a" or (short adj preamble)) and ((correlat\$3 or autocorrelat\$3) and (median or average) and threshold) and (boundary with detect\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:12
L23	0	(coarse adj frequency) with autocorrelati\$2 with accumulati\$2 with (short adj preamble) with window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L24	0	"10/700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L25	66	(dc or frequency) adj (offset or synchronization) with (WLAN or "802.11")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L26	0	(coarse adj frequency) same autocorrelati\$2 same accumulati\$2 same (short adj preamble) same window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L27	6	moose.in.. and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L28	0	coarse adj frequency adj estimation with autocorrelati\$2 withaccumulati\$2 with (short adj preamble) with window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L29	403	375/319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L30	2	"6930989".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L31	69	(dc or frequency) adj (offset) with (filter or filtering) same (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L32	52	(frequency adj offset) and (quadrature or QAM) and (FIR with filter\$3) and WLAN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L33	35	((fir or (finite adj impulse adj response)) with filter\$3) with correlat\$3 and ("802.11" or wlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L34	165	(coarse adj frequency) and correlat\$3 and accumulati\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L35	1871	375/344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L36	14	L34 and L35	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L37	33	375/310	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L38	40	((fir or (finite adj impulse adj response)) with filter\$3) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L39	28	(dc or frequency) adj (offset) with (filter or filtering) with (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L40	382	(dc or frequency) adj (offset) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L41	2078	375/343	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L42	12	L34 and L41	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L43	40	((fir or (finite adj impulse adj response)) with filter\$3) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L44	66	(dc or frequency) adj (offset or synchronization) with (WLAN or "802.11")	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L45	88	(frequency adj offset) with (quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L46	1	L45 and L37	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L47	54	(fir or (finite adj impulse adj response)) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L48	2	"20040196915".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L49	2	"6,633,616".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L50	1	"09/352404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L51	241	(frequency adj offset) with (component or quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L52	2	"2004196915".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L53	68	(coarse adj frequency) and correlati\$2 and accumulati\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L54	403	375/319	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L55	3	L34 and L54	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L56	1	(frequency adj offset) with (quadrature or QAM) with filter\$3 and WLAN	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L57	1	"09/352404"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L58	35	((fir or (finite adj impulse adj response)) with filter\$3) with correlat\$3 and ("802.11" or wlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L59	1	(coarse adj frequency) same correlati\$2 same accumulati\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L60	54	(fir or (finite adj impulse adj response)) with correlat\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L61	382	(dc or frequency) adj (offset or synchronization) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L62	0	(coarse adj frequency) same correlati\$2 same accumulati\$2 same (short adj preamble) same window	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L63	241	(frequency adj offset) with (component or quadrature or QAM) with filter\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L64	1871	375/344	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L65	16	(frequency adj offset) with (component or quadrature or QAM) with filter\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L66	0	"10/700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L67	6	moose.in. and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L68	2	"7039000".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L69	69	(dc or frequency) adj (offset) with (filter or filtering) same (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L70	0	"10700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L71	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L72	1445	(frequency adj offset) with (component or quadrature or QAM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L73	1445	(frequency adj offset) with (component or quadrature or QAM)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L74	28	(dc or frequency) adj (offset) with (filter or filtering) with (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L75	382	(dc or frequency) adj (offset) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L76	16	(frequency adj offset) with (component or quadrature or QAM) with filter\$3 and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L77	0	(coarse adj frequency) same correlati\$2 same accumulati\$2 same (short adj preamble)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L78	1	"10/396118"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L79	25	(frequency adj offset) and (quadrature or QAM) and (FIR with filter\$3) and WLAN and ofdm	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L80	382	(dc or frequency) adj (offset or synchronization) with (filter or filtering) and (WLAN or "802.11" or OFDM or hyperlan)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L81	0	L45 and L29	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L82	0	"10/768073"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L83	0	"10768073"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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L84	0	"10700474"	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L85	2	"6930989".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L86	2	(frequency adj offset) with (quadrature or QAM) with filter\$3 with averag\$3	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30
L87	2	"20040005018".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/31 20:30

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Figure 2 shows the **autocorrelation** function of the samples collected from one ... If this distance is above a **threshold**, based on the user movement rate and ...

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Horus ... be applicable to other RF-technologies such as **802.11a**, ...

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Access Points: Cisco Aironet 1200 Series with **802.11a/b** (27 exemplars) ... that the **autocorrelation** of successive samples collected from one AP is as high ...

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the upper-bound for Ethernet connection; the **median** value of 2 ... **Autocorrelation** function of the sequence of packet pair inter-arrival ...

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Autocorrelation function of the sequence of packet pair inter-arrival times. ... the **median**.

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3.3 An example of the **autocorrelation** between samples from an access ... 7.5 Effect of the parameter **Threshold** on the average distance error for ...

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sess an **autocorrelation** function $r(k)$ that decays hyperboli- ... For TRIPS the p parameter has a **median** value between the ...

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f,d), which is the **median** attenuation relative to free space, is ... bandwidth is defined as the frequency interval over which the **autocorrelation** of the ...

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38 3.1. Through the Wall Propagation and Material Characterization
[<http://www.mprg.ece.vt.edu/people/buehrer/ultra/pdfs/C...>]
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- ☐ 7. [Correlator for reception of CPM spread-spectrum communications](#)
Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003
...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...
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- ☐ 8. [Despreading of a CPM \(continuous phase modulation\) spread-spectrum signal](#)
Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, May 2004
...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...
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- ☐ 9. [Wireless Spread Spectrum Communication with Centre Seeking Decorrelation](#)
Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Jan 2004
...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...
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Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Jan 2004
...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...
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- ☐ 11. [Receiver for spread spectrum signals](#)
Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003
...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...

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☐ **12. Reception of CPM spread spectrum communications**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003


...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...

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☐ **13. Reception of CPM spread-spectrum communications**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003


...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...

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☐ **14. Differential phase encoding apparatus**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003


...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...

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☐ **15. Transmission of CPM spread spectrum communications**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., EUROPEAN PATENT APPLICATION, Aug 2003


...in which a single parallel **correlator** and a plurality of 32 serial **correlators** are combined so as to allow...spectrum signal. Figures **11A-11F** are diagrams showing...set of noncoherent serial **correlators** and associated receiver components...

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☐ **16. SPECTRUM-ADAPTIVE NETWORKING**

BURCHFIEL, Jerry D., PATENT COOPERATION TREATY APPLICATION, May 2004

...g. an average or **median** power level) for...also includes a **correlator**, or a plurality of **correlators**, coupled to the...pattern so that the **correlators** may be used to identify...defined i connectivity **threshold** and using a power...

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☐ **17. Spectrum-adaptive networking**

Burchfiel, Jerry D., UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, May 2004


...opportunistic forwarding 164 and multiple **correlators** 166 for detecting specific waveform...0059] Co-Site Clustering and Multiple **Correlators** [0060] A significant problem encountered...one medium-range link. Using multiple **correlators** 166 and a different spread spectrum...

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- ☐ **18.** [Method and apparatus for wireless spread spectrum communication with preamble sounding gap](#)

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Nov 2001


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **19.** [Spread spectrum codes for use in communication](#)

Monroe, Robert, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Aug 2001

...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **20.** [Wireless ATM Networks Medium Access Control with Adaptive Parallel Multiple Substream CDMA Air-inteface](#)

Hyon, Tae-In, Jul 2001

...6 2.2.1 IEEE **802.11**...8 2.2.1.5 IEEE **802.11a** - The OFDM PHY...9 2.2.1.6 IEEE **802.11b** - 2.4 High Rate DSSS PHY...

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- ☐ 21. [Wireless ATM networks medium access control with adaptive parallel multiple substream CDMA air-interface](#)

Hyon, Tae-In., Jan 2001

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- ☐ 22. [Method and apparatus for parallel noncoherent correlation of a spread spectrum signal](#)
Durrant, Randolph / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Oct 1999

...the chip sequence, while the Q correlator 409 is configured to recognize...compared against a predetermined threshold to allow recognition of the chip...have a plurality (e.g., 32) of CPM correlators 402 operating in parallel, each...


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- ☐ 23. [Apparatus for receiving and correlating a spread spectrum signal](#)
Durrant, Randolph / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 1999

...the chip sequence, while the Q correlator 409 is configured to recognize...compared against a predetermined threshold to allow recognition of the chip...have a plurality (e.g., 32) of CPM correlators 402 operating in parallel, each...

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- ☐ 24. [Method and apparatus for coherent correlation of a spread spectrum signal](#)
Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Mar 1999


...the chip sequence, while the Q correlator 409 is configured to recognize...compared against a predetermined threshold to allow recognition of the chip...have a plurality (e.g., 32) of CPM correlators 402 operating in parallel, each...

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- ☐ **25. [Method and apparatus for correlating a continuous phase modulated spread spectrum signal](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jan 1999


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **26. [Method and apparatus for coherent serial correlation of a spread spectrum signal](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Nov 1998


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **27. [Method and apparatus for decoding a phase encoded signal](#)**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1998


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **28. [Non-coherent spread-spectrum continuous-phase modulation communication system](#)**

Durrant, Randolph L. / Burbach, Mark T. / Jensen, Ryan N. / Scott, Logan / Williams, Claude M., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1998


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **29. [Method and apparatus for serial noncoherent correlation of a spread spectrum signal](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1998


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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- ☐ **30. [Method and apparatus for differential phase encoding and decoding in spread-spectrum communication systems with continuous-phase modulation](#)**

Durrant, Randolph L. / Burbach, Mark T. / Hoyt, Eugene P., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Nov 1997


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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☐ **31. [Synchronization apparatus and method for spread spectrum receiver](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Oct 1997

...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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☐ **32. [TRANSMISSION AND RECEPTION OF CPM SPREAD-SPECTRUM COMMUNICATIONS](#)**

DURRANT, Randolph L. / BURBACH, Mark T. / HOYT, Eugene P., PATENT COOPERATION TREATY APPLICATION, Mar 1996


...received signal with the chip sequence, including those using surface acoustic wave (SAW) **correlators**, tapped delay line (TDL) **correlators**, serial **correlators**, and others. in spread spectrum communication CPM techniques are often chosen so as to...

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☐ **33. [Multi-bit correlation of continuous phase modulated signals](#)**

Durrant, Randolph L. / Burbach, Mark T., UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Aug 1997


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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☐ **34. [Method and apparatus for reception and noncoherent serial correlation of a continuous phase modulated signal](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1997


...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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☐ **35. [Method and apparatus for receiving and despreading a continuous phase-modulated spread spectrum signal using self-synchronizing correlators](#)**

Durrant, Randolph L. / Burbach, Mark, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, May 1997

...the chip sequence, while the Q **correlator** 409 is configured to recognize...compared against a predetermined **threshold** to allow recognition of the chip...have a plurality (e.g., 32) of CPM **correlators** 402 operating in parallel, each...

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36. [Method and apparatus for objectively measuring pain, pain treatment and other related](#)



techniques

Becerra, Lino R. / Breiter, Hans C. / Borsook, David, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Apr 2002

A method and apparatus for measuring indices of brain activity includes non-invasively obtaining signals of central nervous system (CNS) activity, localizing signals to specific anatomical and functional CNS regions, correlating the signals from pain and ...

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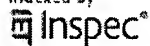
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- ☐ 1. **Design of multiplierless correlators for timing synchronization in IEEE 802.11a**
 Kun-Wah Yip; Yik-Chung Wu; Tung-Sang Ng;
[Consumer Electronics, IEEE Transactions on](#)
 Volume 49, Issue 1, Feb. 2003 Page(s):107 - 114
 Digital Object Identifier 10.1109/TCE.2003.1205462
[AbstractPlus](#) | Full Text: [PDF\(710 KB\)](#) IEEE JNL
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- ☐ 2. **A new multiplierless correlator for timing synchronization in IEEE 802.11a**
 Kun-Wah Yip; Yik-Chung Wu; Tung-Sang Ng;
[Circuits and Systems, 2003. ISCAS '03. Proceedings of the 2003 International](#)
 Volume 2, 25-28 May 2003 Page(s):II-344 - II-347 vol.2
[AbstractPlus](#) | Full Text: [PDF\(304 KB\)](#) IEEE CNF
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- ☐ 3. **Improved symbol timing synchronization for IEEE 802.11a/g wireless LAN multipath channels**
 Jooyeol Yang; Kyunwhoon Cheun;
[Consumer Electronics, 2006. ICCE '06. 2006 Digest of Technical Papers. Inter](#)
[Conference on](#)
 7-11 Jan. 2006 Page(s):291 - 292
 Digital Object Identifier 10.1109/ICCE.2006.1598425
[AbstractPlus](#) | Full Text: [PDF\(128 KB\)](#) IEEE CNF
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- ☐ 4. **The design of 802.11b WLAN baseband processor**
 Tu Chunjiang; Zhou Xin; Liu Bo-an; Chen Hongyi;
[ASIC, 2003. Proceedings. 5th International Conference on](#)
 Volume 2, 21-24 Oct. 2003 Page(s):852 - 855 Vol.2
[AbstractPlus](#) | Full Text: [PDF\(262 KB\)](#) IEEE CNF
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- ☐ 5. **FPGA implementation of an OFDM-WLAN synchronizer**
 Wang, K.; Singh, J.; Faulkner, M.;
[Electronic Design, Test and Applications, 2004. DELTA 2004. Second IEEE In](#)
[Workshop on](#)
 28-30 Jan. 2004 Page(s):89 - 94

Digital Object Identifier 10.1109/DELTA.2004.10039

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6. **ML frame synchronization for IEEE 802.11a WLANs on multipath Rayleigh channels**

Yik-Chung Wu; Kun-Wah Yip; Tung-Sang Ng;
[Circuits and Systems, 2003. ISCAS '03. Proceedings of the 2003 International Volume 2, 25-28 May 2003 Page\(s\):II-145 - II-148 vol.2](#)
Digital Object Identifier 10.1109/ISCAS.2003.1205914

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7. **Timing-synchronization analysis for IEEE 802.11a wireless LANs in frequency nonselective Rician fading environments**

Kun-Wah Yip; Yik-Chung Wu; Tung-Sang Ng;
[Wireless Communications, IEEE Transactions on Volume 3, Issue 2, March 2004 Page\(s\):387 - 394](#)
Digital Object Identifier 10.1109/TWC.2004.825372

[AbstractPlus](#) | [References](#) | Full Text: [PDF\(456 KB\)](#) IEEE JNL
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8. **FPGA implementation of an IF transceiver for OFDM-based WLAN**

Canet, M.J.; Vicedo, F.; Almenar, V.; Valls, J.;
[Signal Processing Systems, 2004. SIPS 2004. IEEE Workshop on 2004 Page\(s\):227 - 232](#)
Digital Object Identifier 10.1109/SIPS.2004.1363054

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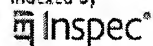
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Electronic Design, Test and Applications, 2004. DELTA 2004. Second IEEE In
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 28-30 Jan. 2004 Page(s):89 - 94
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Inventor Information for 10/816876

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HOU, PING	SAN CARLOS	CALIFORNIA

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Application#	Patent#	Status	Date Filed	Title	Inventor Name
10367865	Not Issued	41	02/19/2003	Minimum equalization error based channel estimator	HOU, PING
10816876	Not Issued	30	04/05/2004	Autocorrelation threshold generation based on median filtering for symbol boundary detection in an OFDM receiver	HOU, PING
10817811	Not Issued	30	04/06/2004	OFDM receiver having adaptive channel estimator for correcting channel fading based on accumulated pseudo power values	HOU, PING
10839265	Not Issued	30	05/06/2004	Channel tracking using step size based on norm-1 based errors across multiple OFDM symbols	HOU, PING
11319971	Not Issued	30	12/28/2005	Anti-epitaxial film in a superconducting article and related articles, devices and systems	HOU, PING
11320104	Not Issued	61	12/28/2005	Superconducting article and method of forming a superconducting article	HOU, PING
10647649	7148052	150	08/26/2003	NOVEL NUCLEIC ACID ENCODING BETA-1,3-GLUCANASE FROM LILY	HOU, PING-FU
11518219	Not Issued	25	09/11/2006	Novel nucleic acid encoding beta-1,3-glucanase from lily	HOU, PING-FU
08511968	Not Issued	161	08/07/1995	PHOTOPOLYMERIZABLE COMPOSITIONS, METHODS OF USING THE SAME AND ARTICLES PRODUCED THEREFROM	HOU, PINGGAO

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